

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI-86
(For candidates admitted during the academic year 2023 – 2024)

B.Voc. DEGREE EXAMINATION - NOVEMBER 2024
SUSTAINABLE ENERGY MANAGEMENT
THIRD SEMESTER

COURSE : ALLIED CORE
PAPER : ENVIRONMENT AND ECOLOGY
SUBJECT CODE : 23VS/VA/EN35
TIME : 3 HOURS

MAX.MARKS:100

SECTION A				
Q. No.	ANSWER ALL QUESTIONS:	(10 x 2 = 20)	CO	KL
1	Define pollution and quote its types.		1	1
2	List two effects of the urbanization.		1	1
3	What is bioremediation?		1	1
4	List two examples of environmental sustainability.		1	1
5	Define food security.		1	1
6	Define ecology.		1	1
7	Give an example for biofuel.		1	1
8	Define carbon foot printing.		1	1
9	Give two preventive measures for cancer.		1	1
10	Name two water borne diseases.		1	1

SECTION B				
Q. No.	ANSWER THE FOLLOWING QUESTIONS:	(8 x 5 = 40)	CO	KL
	Answer any FOUR:			
11	Associate the basics of population explosion.		2	2
12	Discuss the scenario of causes and control of air pollution.		2	2
13	Express biomass of wood structure and wood chemistry.		2	2
14	Explain briefly the various causes of urbanization.		2	2
15	Extend on Intellectual Property Rights.		2	2
16	Interpret the details about Community biodiversity registers.		2	2
	Answer any FOUR:			
17	Paraphrase on food security.		3	3
18	Compile the note on climatic change.		3	3
19	Explain a brief note on biomass accumulation.		3	3
20	Outline the assessment of impact of water pollution.		3	3
21	Predict the scenario of infectious diseases.		3	3
22	Present the concept of equitable use of resources.		3	3

SECTION C				
Q. No.	Answer any TWO:	(2 x 10 = 20)	CO	KL
23	Investigate the environmental impacts of biomass conversion to energy.		4	4
24	Examine fermentation involved with aerobic and anaerobic techniques.		4	4
25	Analyse the necessity to value our environment, nature and culture.		4	4
26	Investigate the types of water related disease		4	4

SECTION D				
Q. No.	Answer any TWO:	(2 x 10 = 20)	CO	KL
27	Illustrate the methodology of climate modelling and discuss on global warming.		5	5
28	Discuss the following in detail, (i) Effects of climate and health. (ii) Risk of chemicals in food.		5	5
29	Evaluate economic policies and environment laws in the India context.		5	5
30	Analyse Eukaryotic and prokaryotic microorganisms involved in fermentation process.		5	5
